



भारत का राजपत्र

The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY

सं० 46] नई दिल्ली, शनिवार, नवम्बर 12, 1977 (कार्तिक 21, 1899)

No. 46] NEW DELHI, SATURDAY, NOVEMBER 12, 1977 (KARTIKA 21, 1899)

इस भाग में भिन्न पृष्ठ संख्या वाली जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III—खण्ड 2

PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और लिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 12th November 1977

CORRIGENDA

1.

In the Gazette of India, Part III, Section 2, dated the 6th August 1977 under the heading "COMPLETE SPECIFICATIONS ACCEPTED".

(1)

In page 667, column 2, line 2, against No. 142614—for 21/27 read 31/27

(2)

In page 671, column 1, line 5, against No. 142627—for August, 1973 read August 13, 1973

(3)

In page 672, column 2, line 2, against No. 142632—for 108g read C08g

(4)

In page 674, column 1, line 2, against No. 142638—for 49/68 read 49/08

(5)

In page 675, column 1, line 10, against No. 142643—for Patent Office, Calcutta read Patent Office, Delhi Branch

(6)

In page 675, column 1 line 5, against No. 142644—for KASHI read KASHI

327GI/77

(7)

In page 676, column 2, line 6, against No. 142651—for ISCHAFT read LSCHAFT

2.

In the Gazette of India, Part III, Section 2, dated 13th August 1977, under the heading "COMPLETE SPECIFICATIONS ACCEPTED"—

(1)

In page 686, column 2, line 1, against No. 142674—for 32F & 40B read 32E & 40B

(2)

In page 690, column 1, line 12, against No. 142687—for Patent Office, Bombay Branch read Patent Office, Calcutta

(3)

In Page 690, Column 2, line 7, against No. 142688—for Patent Office Bombay Branch read Patent Office, Calcutta,

3

In the Gazette of India, Part III, Section 2, dated the 20th August 1977, under the heading "COMPLETE SPECIFICATIONS ACCEPTED":—

(1)

In page 699, column 1, line 6, against No. 142702—for MARUNONCHI -4-5, read MARUNONCHI-1-4-5.

(2)

In page 700, column 1, line 2, against No. 142704—for 2/00 read 3/00

(925)

(3)

In page 700, Column 1, line 4, against No. 142705—for
15~~t~~ read 15.

(4)

In page 703, column 1, line 5, against No. 142715—for
219~~s~~ read 219.

(5)

In page 706, column 1, line 9, against No. 142726—for
KUNBELMANN read ZUNZELMANN.

(6)

In Page 710, column 2, line 5 & 6, against No. 142744—
delete Applicant PETFR ROWLAND PAYNE, of Box 282,
Route 5, Annapolis

(7)

In page 711, column 1, line 15, against No. 142748—for
(18368/73) read (182368/73).

4.

In the Gazette of India Part III, Section 2, dated 27th
August 1977, under the heading "COMPLETE SPECIFICA-
TIONS ACCEPTED"

(1)

In page 728, column 1, lines 3 and 4, against No. 142779—
for "Applicant SIFMENS AKTIENGESELLSCHAFT, of
Liquid in a Vessel" read "APPARATUS FOR MONITOR-
ING THE LEVEL OF LIQUID IN A VESSEL".

(2)

In page 728, column 2, line 10, against No. 142781—for
14 claims read 13 claims.

(3)

In page 733, column 1, line 9, against No. 142802—for
60/Bom/75 filed March 11, 1975 read 450/Bom/74 filed
December 30, 1974

(4)

In page 739, column 1, line 7, against No. 142828—for
Patent Office, Calcutta read Patent Office, Delhi Branch

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed
under Section 135 of the Act

6th October 1977

1481/Cal/77 C A V. Limited. Fuel injection pumping
apparatus [Addition to No 1423/Cal/74]

1482/Cal/77 BBC Brown, Boveri & Company Limited.
Compressed-air storage installation

1483/Cal/77 Kureha Kagaku Kogyo Kabushiki Kaisha
Method for preserving edible roots of devil's
tongue

1484/Cal/77 Euteco SpA Ziegler catalysts

7th October 1977

1485/Cal/77 Kemco Chemicals. Improved lip-stick con-
tainer.

1486/Cal/77 Knor-Biemse Gmb H Fill-up valve for
compressed-air brakes

1487/Cal/77 Dosco Overseas Engineering Limited. Mining
machine (October 9, 1976).

1488/Cal/77 Dosco Overseas Engineering Limited Mining
machine (October 8, 1976)

1489/Cal/77 Dosco Overseas Engineering Limited Push
rods for use with mining machinery (July 7,
1977)

1490/Cal/77 Dosco Overseas Engineering Limited. Mining
Equipment (October 9, 1976)

1491/Cal/77 Stocznia Szczecinska im Adolfa Warskiego.
Ship rudder arrangement.

1492/Cal/77 Palitex Project-Company GMBH. Two-for-
one double twisting machine.

1493/Cal/77 Hoechst Aktiengesellschaft and Sigri Elek-
trographit GMBH Manufacture of metal anodes
suitable for use in the electronic production of
manganese dioxide.

10th October 1977

1494/Cal/77 Hooker Chemicals & Plastics Corporation
A process for the electrochemical decomposition
of an aqueous solution of an ionizable chemical
compound [Divisional date July 26, 1974].

1495/Cal/77 Palitex Project-Company GMBH. Two-for-
one twisting spindle

1496/Cal/77 Palitex Project-Company GMHB Apparatus
for the take-up and tension-free re-issue of a
given length of thread

11th October 1977

1497/Cal/77 Sealed Power Corporation Oil control ring
spacer-expander (July 19, 1977).

1498/Cal/77 Sealed Power Corporation. Oil Control ring
spacer expander (July 19, 1977).

1499/Cal/77 Sealed Power Corporation. Spacer expander
for a piston oil control ring (July 19, 1977).

1500/Cal/77 Raychem Corporation Shaped articles of
cross-linked fluorocarbon polymers

1501/Cal/77 Kanebo Ltd Pro-drugs for the improved
delivery of certain selected anti-inflammatory
steroids

1502/Cal/77 Ashoka Bajaj and Madan Mohan Sinha A
reversible gear box

1503/Cal/77 Saint-Gobain-Industries. Method and apparatus
for manufacture of fibres from thermoplastic
material.

APPLICATION FOR PATENTS FILED AT THE (DELHI BRANCH)

5th September 1977

224/Del/77 R S Malwa. Thermal Power station boilers.

225/Del/77 Kalyan Kumar Sengupta, Debasish Kumar
Sinha Kalpa Kumar Ghosh, Alok Mazumdar
and Bhaskar Banerjee A time cycled ventilator.

7th September 1977

226/Del/77 B L Modi, V Dayal, Shobha Sarai and
Prem Lata Sarai Cheese tube

227/Del/77 Spintex Industries Private Limited. Bobbin
holder.

8th September 1977

228/Del/77 Council of Scientific and Industrial Research
A composite device for the measurement of differential
settlement, tilt and crack width of buildings or such other civil engineering structures

229/Del/77 Council of Scientific and Industrial Research
Improvements relating to the demineralisation of
coal by oil-agglomeration technique

230/Del/77 Council of Scientific and Industrial Research
A precision wire tensioner

9th September 1977

231/Del/77 Mrs Veena Verma and Mis Pushpavati
Verma A tiffing carrier

232/Del/77 R K. Jain A process for the production of
matrix boards,

233/Del/77. Mr G M Kamra. A device for use with a ceiling fan.

234/Del/77. Mr. C M Chugh. A laminating apparatus.
APPLICATION FOR PATENTS FILED AT THE

(BOMBAY BRANCH)

24th September 1977

283/Bom/77. K R Karpe, Economy-holder.

284/Bom/77 K. R. Karpe Carry-me (Portable/flexible hanger stand).

26th September 1977

285/Bom/77. Amitava Biswas and B. S. D'Souza. A novel electronic device for controlling alternating voltages.

286/Bom/77. K. B. Bhatia. Automatic rice cooker.

27th September 1977

287/Bom/77. Bakelite Hylam Limited. Improvement in or relating to phenol formaldehyde condensates and cellular insulating products produced therefrom.

29th September 1977

288/Bom/77. M. R. Goliya. Holding-cum-mounting device for location of cut glass crystals in chandeliers and decorative light fittings.

APPLICATION FOR PATENTS FILED AT THE
(MADRAS BRANCH)

6th October 1977

161/Mas/77. Indian Plywood Industries Research Institute. Improvements in or relating to the preparation of resins for bonding lignocellulosic materials having silicious surfaces such as rice husk and bamboo.

ALTERATION OF DATE

143368. Post-dated 28th June, 1976
1/Cal/76

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents on any of the applications concerned may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed alongwith the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Roy Road, Calcutta in due Course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list

Typed or photo copies of the specifications together with the photo copies of drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 172-D.

143361.

Int. Cl.-D01h 1/00.

METHOD AND APPARATUS FOR START-SPINNING A THREAD ON AN OPEN-END SPINNING UNIT OF AN OPEN-END SPINNING MACHINE.

Applicant & Inventors FRITZ STAHLCKER, AT JOSEF-NFHIDHARTSTRASSE 18, D-7341 BAD UEBERKIRCHEN, W-FR GERMANY AND HANS STAHLCKER, AT HALDENSTRASSE 20, D-7334 SUESSEN, WEST GERMANY.

Application No. 50/Bom/75 filed February 28, 1975.

Convention date November 27, 1974/(S1438/74) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

17 Claims.

A method for spinning in a thread on open-end spinning units of an open-end spinning machine, in which an end of the thread is returned to a spinning rotor, placed on a ring of fibres deposited in the spinning rotor and then drawn off again, whereby during the placing of the end of the thread on the ring of fibres, the speed of the spinning rotor is reduced relative to its operating speed and whereby a mobile piecing-up unit intervenes in the drive and/or control of means providing the silver feed and thus controls the volume of the ring of fibres deposited in the spinning rotor.

CLASS 5D.

143362.

Int. Cl.-E02b 13/00.

A DEVICE FOR DRIP IRRIGATION.

Applicant & Inventor. MURLIDHAR NARAYAN KAR KHANIS, 232, KASBA PETH, POONA-411011, MAHARASHTRA STATE, INDIA.

Application No. 407/Bom/76 filed November 24, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

2 Claims.

Device for drip irrigation comprising a flexible straight or circular tubing made out of any plastic material like rubber or high density polyethylene (HDPE) plastic, the said tubular structure being provided with an opening having a stopper for filling water, on the underside of the said tubing there are provided plurality of teat like spouts with corresponding cover for each teat to stop the drip, there are provided vertical perforated tubes filled with polyurethane or any type of rubber foam, the said tubes being inserted in the ground to a depth of 30 to 75 mm and the said tubular device is kept over the openings of the said vertical perforated tubes such that the said teat like spots fit in the openings of the said vertical perforated tube; on filling water in the device above ground, the water now percolates through the said vertical tubes and oozes out to get absorbed in the soil whenceupon the root system being hydrotopic in nature grows towards the said perforated tubes for absorption of water whereby maximum economy of water is accomplished due to very effective drip irrigation.

CLASS 107H.

143363.

Int. Cl.-F02b 19/16.

COMBUSTION CHAMBER FOR SUPERCHARGED INTERNAL COMBUSTION ENGINE.

Applicant ETAT FRANCAIS, OF 4, AVENUE DE LA PORTE D'ISSY 75996, PARIS ARMEES, FRANCE.

Inventors. JEAN MELCHIOR AND THIERRY ANDRE.

Application No. 2637/Cal/74 filed November 27, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A power unit having a turbine-compressor unit whose turbine is operably connected to said compressor to receive gasses which have been compressed by said compressor, a combustion chamber connected to deliver hot gaseous products of combustion to said turbine and to receive combustion air to said chamber and having fuel injection and spraying means, wherein said fuel injection and spraying means comprises : liquid fuel injection port means of constant fixed orifice size and location and oriented for discharging fuel into said chamber solely from a given entryzone; means for delivering pressurized liquid fuel to said port means at a rate and pressure adjustable from a minimum value to a maximum value thereby to vary the quantity of fuel discharged into said chamber via said port means, said fixed orifice size of said port means being selected small enough for spray atomization of the fuel to be mechanically achieved at said maximum rate solely by hydraulic atomization resulting from discharge of liquid fuel under pressure via said port means into said chamber and large enough so that the fuel is not so mechanically atomized at said minimum rate; air passage means opening into said combustion chamber at a location close to said port means and oriented

to direct an impinging jet air flow against the fuel spray discharged from said port means; and means for continuously delivering air to said air passage means at a speed and at a rate sufficient for the air jet flow from the passage means pneumatically to atomize the fuel efficiently for the minimum flow rate during operation of said combustion chamber

CLASS 1A & 155D

143364.

Int. Cl C09J 3/14, C03c 27/12.

A PROCESS FOR THE PRODUCTION OF MODIFIED, PARTIALLY ACETALISED POLYVINYL ALCOHOL FILMS

Applicant, DYNAMIT NOBEL AKTIENGESELLSCHAFT, OF TROISDORF, BEZ KOLN, WEST GERMANY.

Inventors, DR. ROLF BECKMANN AND DR. WILHELM KNACKSTEDT

Application No 348/Cal/75 filed February 24, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

7 Claims. No drawings

A process for adjusting the bond strength of plasticiser-containing partially acetalised polyvinyl alcohol films to inorganic glasses to the pummel values required for the particular application, wherein predetermined quantities of

- (a) a silicon-functional silane which reduces bond strength or a mixture of different silicon-functional silanes, or
- (b) a silicon organo functional silane which increases bond strength or a mixture of silicon-organo functional silanes, or
- (c) a mixture of at least one silicon-functional silane with at least one silicon-organic functional silane, are added to the partially acetalised polyvinyl alcohol resin before or during processing to form a film by methods known *per se*

CLASS 32A,

143365.

Int Cl C09b 29/00

PROCESS FOR THE PREPARATION OF WATER-SOLUBLE MONOAZO COMPOUNDS

Applicant, HOECHST AKTIENGESELLSCHAFT, OI-6230 FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

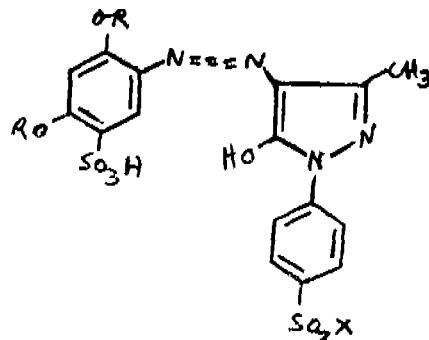
Inventors, FRITZ MEININGER & LUDWIG SCHLAFFER.

Application No 1208/Cal/75 filed June 18, 1975.

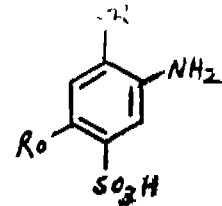
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

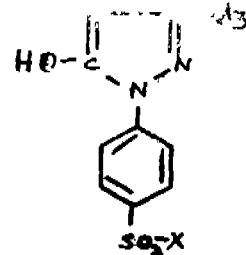
A process for the preparation of the compounds which correspond, in the form of the free acid, to the general formula 1.



wherein R represents an alkyl radical having from 1 to 4 carbon atoms, and X stands for the vinyl, the β -chloroethyl, β -thiosulfatoethyl, β -phosphatoethyl, β -sultatoethyl or a β -dialkylaminoethyl group having from 1 to 4 carbon atoms in each alkyl radical which comprises diabolizing an amine corresponding to the formula 2



wherein R is as defined above and coupling the said amine with a coupling component of the general formula 3.



wherein X is as defined above or stands for the β hydroxyethyl group, and converting in monoazo compound of the formula 1 the β -hydroxyethyl group standing for the radical X into the β -sulphatoethyl compound by means of a sulphatation agent.

CLASS 33A

143366.

Int Cl B22d 23/00

PROCEDURE FOR CASTING SPECIFIED QUANTITIES OF MOLTEN METAL AND DEVICE FOR CARRYING OUT THIS PROCEDURE

Applicant, OITO JUNKER GMBH, LAMMERSD ORF 5107 SIMMERATH, GERMAN FEDERAL REPUBLIC.

Inventors, LETIIFEN ROBERT, OSTLER FRITZ, HEIMFRICH HEINZ AND KIENERT MANFRED

Application No. 1229/Cal/75 filed June 21, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

23 Claims

A method of casting predetermined amounts of molten metal by pouring metal from a container having an interior which is closed off substantially gas-tightly and is provided with a pour out conduit which has an inlet communicating with the interior of the container and which has an outlet pouring opening located outside the container above the highest level to which molten metal in the container interior is permitted to rise during the method, comprising the steps of selecting pouring pressure values utilizing a pouring pressure selector, selecting starting pressure increase functions utilizing a starting pressure selector; establishing the metal in said conduit at a fixed starting level prior to the start of the first pouring operation by leading pressurized gas into the space above the molten metal in the container interior, and thereafter effecting each pouring operation by activating the pouring pressure selector to effect a first boost of the gas pressure in said space by the amount of a selected pouring pressure value so as to effect pouring out through said opening of the quantity of molten metal to be dispensed, during each such pouring operation activating the starting pressure selector to cause the latter to superimpose upon the first pressure boost a second pressure boost equal to a selected starting pressure increase function and at the end of each pouring operation activating means operative for decreasing the gas pressure in said space by the amount of the selected pouring pressure value so as to cause the metal in said conduit to return to the fixed starting level in readiness for the next pouring operation the pressure prevailing in said space at the end of such gas pressure decrease constituting the new starting pressure until the start of the next following pouring operation.

CLASS 39-0 & 144E₀ 143367.

Int Cl. C01b 33/20, 609c 1/00.

A PROCESS FOR PRODUCING AMORPHOUS ALKALI METAL ALUMINO SILICATE BASE EXCHANGE MATERIALS.

Applicant J M HUBER CORPORATION, OF NAVESINK AND RIVER ROADS, CITY OF LOCUST, STATE OF NEW JERSEY, UNITED STATES OF AMERICA.

Inventors. LLOYD EUGENE WILLIAMS & ROBERT KENETH MAYS.

Application No. 2060/Cal/75 filed October 27, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

4 Claims.

A process for producing a finely divided amorphous alkali metal aluminosilicate pigment having a substantially increased ion exchange capacity, said method comprising the steps of preparing an aqueous solution of an alkali metal silicate, said silicate having a SiO₂/M₂O mole ratio of from about 1 to 4 wherein M is an alkali metal, subjecting said solution to vigorous agitation and contacting said solution with a dilute solution of an alkali metal aluminate, said aluminate having a M₂O/Al₂O₃ mole ratio of from about 1 to 6, continuing the agitation of the reaction mass formed by the addition of said alkali aluminate to said alkali metal silicate solution, and maintaining the pH of said reaction mass at a level of at least 10.5 to thereby precipitate a finely divided amorphous alkali metal aluminosilicate having an ion exchange capacity equal to crystalline zeolites having an oil absorption of at least 75 cc/100 gm, a BET surface area of at least 50 m²/g a pack density greater than 10 pounds per cubic foot, a mercury intrusion void greater than 2.0 cc/gm, and a base exchange capacity of at least 200 mg CaCO₃/gm and an initial water softening rate of 2.7 grains per gallon per minute.

CLASS 127 I 143368

Int Cl. B61c 9/00, B61f 13/00, F02b 39/12, 61/00, F01c 17/00

METHOD AND DEVICE FOR AIDING AND ENHANCING ROTARY MOTION

Applicant VICTOR BEARING CORPORATION OF 2090 WEST BALES STREET, ENGLEWOOD, COLORADO 80110, U.S.A.

Inventor HENRY REPLIN.

Application No. 1/Cal/76 filed January 1, 1976.

Post-date 28 June, 1976.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A method of load aiding rotary motion of a rotating member of a wheel bearing having inner and outer races, said member being radially displaced from a fixed member and having a load applied thereto horizontally offset from its centre, said method comprising.

providing a non-circular portion on one of said outer and inner races, said non-circular portion of said race having a larger diameter portion, a lamp portion, and a small diameter portion, applying torque to the rotating member to induce rotation thereof,

displacing the rotating member to a non-concentric position relative to the fixed member by positioning bearing means between the members and causing said bearing means to sequentially exert a tangential force on said non-circular portion of said race, imposing at least part of the load from the fixed member to the rotating member at a position on the rotating member spaced from the center of the rotating member and in the direction having a substantial component in the direction of rotation of and spaced from the center of the rotating member,

whereby the load force imposed on the rotating member being offset from the center of rotation induces rotation, and thus is applied in a more advantageous manner than if the same load force were applied through the center of rotation

CLASS 35 E

143369.

Int Cl. C04b 35/14

METHOD FOR THE MANUFACTURE OF SILICA REFRACTORY BRICKS AND LIKE SHAPED MASSES.

Applicant ORISSA CEMENT LIMITED, OF RAS GANGPUR, DIST. SUNDARGARH, ORISSA, INDIA.

Inventors. DR SHYAM LAXMAN KOLHATKAR & BIJOY KUMAR MOHANTY

Application No. 1653/Cal/76 filed September 8, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims No drawings.

A method for the manufacture of silica refractory shaped masses which is characterised by adding 0.1 to 5% by wt. of Illite, Rutile or Pervoskite, either alone or any mixture thereof to silica aggregates such as, quartzite, silica grog sandstone, silica sand and like siliceous materials with the addition to calcium bearing materials, intimately mixing the components with requisite amount of water to a mouldable consistency, moulding the mixture into desired shapes, drying and firing the shaped masses at a temperature not less than 1300°C, preferably above 1400°C.

CLASS 21B

143370

Int Cl. A43b 3/00.

A FOOTWEAR WITH INTER-CHANGEABLE ELEMENTS.

Applicant & Inventor LEANDRE RENALDO, OF 41, BOULEVARD MONTFLEURY-CANNES, FRANCE.

Application No. 775/Cal/76 filed May 4, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

9 Claims

A footwear comprising essentially a lower portion and an upper portion or vamp, associated with said lower portion, characterised in that said lower portion, defining generally the sole and heel of said footwear comprises substantially a front element a rear element and an intermediate supporting element or web, said web being associable rigidly, at its ends, with said front and rear elements for engagement therewith.

CLASS 163D & 190A & B.

143371.

Int. Cl. F03b 3/00

BALANCING MEANS FOR A ROTARY MEMBER SUCH AS TURBINE ROTORS.

Applicant SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, GERMANY

Inventors. GERD BRUCKHOFF (2) HANS GERD BIESEMANN (3) HERMANN SCHAUERTE (4) HERMANN SCHEPERS (5) WINFRIED TEFERI AND HORST ZUMSTEIN.

Application No. 2733/Cal/74 filed December 12, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

6 claims

Means for balancing a rotary member and particularly the rotor of a turbine which consists in forming an annular groove on a radially extending face of the turbine rotor which groove is coaxial with the axis of the rotary member, inserting two balancing weights each of which has a section corresponding to the section of the groove and is in the form

of a cylinder having a curved axis, the radius of the curvature of the axis of the cylinder being similar, but not equal, to the radius of curvature of the groove, sliding the said weights in the groove till the balancing is effected and then fixing the said weights.

CLASS 163B₈.

143372.

Int. Cl.-F04c 17/00.

VARIABLE DISPLACEMENT FLUID TRANSLATING DEVICE LIKE A PUMP.

Applicant: ABEX CORPORATION, OF 530 FIFTH AVENUE, NEW YORK, NEW YORK 10036, UNITED STATES OF AMERICA.

Inventors: CECIL EDWIN ADAMS, ELLIS HERMAN BORN AND GARY CLYDE SMITH, JR.

Application No. 2787/Cal/74 filed December 17, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A variable displacement fluid energy translating device like a pump comprising: a body; a barrel rotatably mounted within the body; a plurality of cylinders formed in the barrel, a piston within each cylinder; a cam support in the body; a cam member mounted on the cam support to form a bearing pivotable relative to the support, a wash plate having a top surface and a bottom surface and mounted on the cam member, a shoe pivotably attached to each piston and slideable on the top surface of the wash plate to reciprocate the pistons within the cylinders when the barrel is rotated, means for pivoting the cam member from a position of minimum displacement of the translating device to a position of maximum displacement of the translating device; a bore in each piston for conducting fluid under pressure in the cylinder through each piston to its shoe; a second bore in each shoe which feeds fluid from the piston through the shoe to a space between the bottom of the shoe and the top surface of the wash plate to provide pressure fluid beneath the shoe to substantially hydraulically balance the shoe in opposition to the thrust of the piston; a plurality of apertures in the wash plate for sequentially conducting fluid from the bottom of each shoe through the wash plate apertures and the collector port and limiting the rate of fluid flow from an uncovered aperture to maintain pressure fluid beneath each shoe; a third bore in the cam member for conducting fluid from the collector port through the cam member, a pocket on the back of the cam member for receiving the fluid from the third bore to lubricate the bearing surfaces between the cam support and cam member wherein the fluid in the pocket applies a counter-acting force on the cam member which resists the force applied by the pistons and shoes on the wash plate.

CLASS 67C

143373.

Int. Cl.-H02j 13/00.

IMPROVEMENTS IN OR RELATING TO FAULT SIGNALLING SYSTEM FOR TRANSMISSION SYSTEM.

Applicant: SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, FEDERAL REPUBLIC OF GERMANY.

Inventors: ANNEMARIE PEXA AND INGE RATHKE. Application No 868/Cal/75 filed April 29, 1975.

Convention date December 18, 1974/(54804/74) U.K.

Application No. 1229/Cal/75 filed June 21, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A fault generating system for a transmission system having a plurality of transmission channels via which pulse-coded modulated signals are transmitted from a first end exchange via intermediate stations provided with regenerators to a second end exchange and including means for locating faults in the system, said means comprising demodulators and associated band pass filters of different pass frequencies provided in respective intermediate stations and means for transmitting from the first end exchange a first pulse which consists of a sequence of pulse code elements, modulated in

such manner that during a period of several pulse frames the frequency of the envelope curve of the transmitted signal corresponds to the pass frequency of one of the band pass filter thereby to test the intermediate station in which the relevant band pass filter is provided, the arrangement being such that the demodulated output signal of the regenerator of each intermediate station is fed to the relevant band pass filter and the occurrence of a signal at the output of a band pass filter is signalled to the first or second end exchange to trigger an analysis process employing a second pulse which at least partly corresponds to the transmitted first pulse and the difference between the compared pulses resulting in a signal indicating a fault, which signal is applied to a device for indicating the fault, wherein for the production of the first pulse and/or the second pulse, there is provided a test pulse pattern generator comprising a fundamental pulse pattern generator, a binary counter, means for setting said counter to a selected numerical value whereby in operation the counter counts from the set numerical value to a final value, a rectangular waveform voltage generator which is responsive to the counter reaching the final value and which serves in operation to produce a frequency corresponding to the pass frequency of a selected one of the band pass filters and to modulate the fundamental pulse pattern generator with said frequency, and a pulse generator for supplying control pulses to the fundamental pulse pattern generator, the counter, and the rectangular waveform generator.

CLASS 32A₁ & 62C₁

143374.

Int. Cl. C09b 62/00; D06p 1/54.

PROCESS FOR THE REACTIVE AND PRINTING OF FIBROUS MATERIALS CONTAINING HYDROXY GROUPS.

Applicant: HOECHST AKTIENGESELLSCHAFT, OF 6230 FRANKFURT/ MAIN 80, FEDERAL REPUBLIC OF GERMANY.

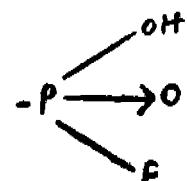
Inventors: HELMUT GIES & FRITZ MEININGER.

Application No. 2055/Cal/75 filed October 24, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

A process for the reactive dyeing and printing of a fibrous material containing hydroxy groups, in the alkaline or acid range which comprises applying on that material a water-soluble organic dyestuff which contains at least one phosphonic acid mono-fluoride group which corresponds in the acid form to the formula 1.



and preferably at least a ionic water-solubilizing group and reactively fixing that dyestuff by treating it with an acid-binding or acid agent.

CLASS 127H & 133A.

143375.

Int. Cl.-T02p 7/00.

APPARATUS FOR CONTROLLING ELECTRIC MOTORS.

Applicant & Inventor: ANATOLY IVANOVICH GRANOVSKY, OF ULITSA MIKHLUKHO-MAKHLAYA, 65, KORPUS 1, KV. 93, MOSCOW, USSR, ALEXANDR SEMENOVICH ZAIDMAN, OF KRYMSKY VAL 8, KV. 19, MOSCOW, USSR VLADIMIR NIKOLAEVICH IVANOV, OF ULITSA VOSTOCHNAYA 1/7, KORPUS 7, KV. 263, MOSCOW, USSR, FELIX EDUARDOVICH MIKUSHEVICH, OF ALIEYA ZHEMCHUGOVOI 5 KV. 174, MOSCOW, USSR, PETER NIKOLAEVICH RYBKIN, OF VOLGOGRADSKY PROSPEKT 181, KORPUS 1, KV. 212, MOSCOW, USSR, IVAN VASILIEVICH SAMSHILIN OF ULITSA TROFIMOVA 2/1 KV. 85, MOSCOW, USSR, ANDREI GEORGIEVICH YAURE, OF ULITSA KUUSINENA 9, KV. 114, MOSCOW, USSR

Application No 2066/Cal/75 filed October 28, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An apparatus for controlling electric motors essentially comprising a housing, controllers located in said housing above each other each of them having a unit contact groups associated electrically with respective motors and a cam shaft whose cams in its rotation actuate the respective contact groups whereas axes of all the cam shafts are parallel to each other; a hand drive for operating the cam shaft characterized by crank link mechanism is provided in each controller for the operation of the crank shaft by the said hand drive, the crank link mechanism comprising a plate link with a longitudinal axial slot whereas one end of the said link is pivoted to the housing for rotation in the direction transverse to the axis of the cam shaft and the other end of the link is connected within the hand drive through a tie rod and a rotary lever, and a crank secured to the cam shaft end facing the plate link and carrying a slide installed into the axial slot of the plate link.

CLASS 47A & B & C.

143376.

Int Cl.-C10b 49/10.

A METHOD FOR PRODUCTION OF HEAT BY COMBUSTION OF CARBONACEOUS MATERIALS.

Applicant: METALLGESELLSCHAFT A.G., OF 16, FRANKFURT A.M., REUTERWEG 14, WEST GERMANY.

Inventors: DR. LOTHAR REH, MARTIN HIRSCH, PER HARALD COLLIN AND SUNE NATANIEL FLINK

Application No. 2310/Cal/75 filed December 5, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

12 Claims

A method for the production of heat by combustion of carbonaceous materials under approximately stoichiometric conditions in a fluidized bed, wherein the discharged solids are recycled to the fluidized bed and heat of combustion is dissipated through cooling surfaces, characterized in that the combustion is carried out in the presence of oxygen containing gases, which are supplied in two partial streams on different levels and at least one of said partial streams is used as a secondary gas and fed in one plane or a plurality of superimposed planes; the volume ratio of fluidizing gas to secondary gas is adjusted to a value in the range from 1 : 20 to 21 : 1, the gas velocity and the ratio of fluidizing gas to secondary gas are adjusted to provide above the secondary gas inlet means a fluidized bed condition having a mean suspension density of 15-100 kg/m³; at least substantial part of the heat of combustion is dissipated through cooling surfaces disposed in the free furnace space above the secondary gas inlet means; a major part of the carbonaceous material is fed into the space which is disposed below the secondary gas inlet means and virtually free of internal fixtures, and solids are withdrawn from the circulation system which comprises the fluidized-bed reactor, separator, and recycle conduit.

CLASS 139A.

143377

Int Cl.-C09c 1/48

PROCESS FOR PRODUCTION OF CARBON BLACK.

Applicant: VSESOUZNY NAUCHNO-ISSI FDOVATEL'SKY INSTITUT TEKHNICHESKOGO UGI FRODA, 5 KORDNAYA 29, OMSK, USSR

Inventors: VITALY FEDOROVICH SUROVIKIN, GENADY VASILIEVICH SAZHIN MIKHAIL IVANOVICH ROMANOV, NIKOLAI KALISTRATOVICH KORENYAK

Application No. 1067/Cal/76 filed June 17, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

5 Claims

A process for the production of carbon black comprising the steps of introducing water vapour radially and tangentially in relation to the walls of the reaction chamber in ratio of 3 : 1, into a heat carrier passing into a reaction chamber as a plasma stream; introducing hydrocarbon feedstock into the reaction chamber containing the heat carrier saturated with water vapour, at a distance no less than 5 diameters of the reaction chamber from the point of introduction of water vapour into the heat carrier for the purpose of decomposition of the feedstock, to carbon black under the effect of the temperature of said heat carrier,

quenching the hydrocarbon feedstock decomposition products at a temperature ranging from 200 to 700°C.

CLASS 50E.

143378.

Int Cl F25d 11/00.

A REFRIGERATING SYSTEM.

Applicant: SVENSKA ROTOR MASKINER AKTIE-BOLAG, OF P.O. BOX. 15085, S-104 65 STOCKHOLM, SWEDEN.

Inventors: HJALMAR SCHIBBYE & TORD HOLM-STROM

Application No. 1816/Cal/76 filed October 4, 1976.

Convention date September 30, 1975 (39986/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A refrigerating system comprising an evaporator, a condenser and a compressor device, said condenser having an outlet connected to a throttle valve contained in a supply line to an inlet of the evaporator, characterized in that said condenser outlet is connected to the throttle valve over a closed receiver tank containing an amount of liquid refrigerant controlled by a control means including inlet and outlet valves of the receiver, said compressor device being provided with a first inlet channel permanently communicating with the outlet of the evaporator and an additional inlet channel connecting the compressor device via a valve to the top of the receiver and means for intermittent disconnection of the receiver from the condenser and evaporator and connection of the top of the receiver to said additional inlet channel of the compressor device by said valves during which time interval the refrigerating cycle is maintained via an additional receiver tank containing a controlled amount of liquid refrigerant feeding the evaporator under the influence of the condenser pressure supplied to the additional receiver via an additional supply branch.

CLASS 32, & F4C & 55E.

143379.

Int Cl A01m 9/02; 9/20; C07c 133/10

PROCESS FOR THE PREPARATION OF MIXTURES OF GUANIDATED ALIPHATIC POLYAMINES OR SALTS THEREOF

Applicant: KEMANORD AB, OF BOX 11005, S-100 61 STOCKHOLM 11, SWEDEN.

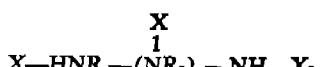
Inventor: JAMES AXEL CHRISTER BJORKLUND & ALF RAGNAR REUTERHALL.

Application No. 1862/Cal/76 filed October 11, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A process for the preparation of antimicrobial or pesticidal mixtures of guanidated aliphatic polyamines, or their acid addition salts, having the general formula



wherein X is hydrogen or a carboxamidine group, optionally-substituted with alkyl groups having 1 to 4 carbon atoms, R₁ and R₂ independent of each other are an aliphatic group having 3 to 14 carbon atoms and n=1-6, whereby the groups R₂ not necessarily must be the same when n>1 and whereby not all of the guanidine derivatives in the mixtures have two carboxamidine groups in end-position, characterized in that an aliphatic polyamine, or a mixture of such, having the general formula H_nNR₁-(NR₂)_n-NH₂, or acid addition salts thereof, wherein R₁, R₂ and n have the same meaning as above are brought to react with a guanidation reagent such as hereinbefore described at a temperature between 30 and 150°C to a degree of guanidation exceeding 30% (as defined hereinbefore).

CLASS 165C.

143380.

Int Cl D05b 9/00.

HEMMER AND STITCHER MACHINE.

Applicant & Inventor: DAVID SUSHIL PILLAI, OF (L-18), RAJOURI GARDEN, NEW DELHI-27, INDIA.

Application No 2061/Cal/74 filed September, 16, 1974

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

14 Claims

A hemmer and stitcher machine comprising a housing having a material platform on which the material to be stitched or hemmed is supported, means provided with said housing for supporting a thread spool, characterised in a power driven motor is disposed within said housing, a needle arm adapted to hold a needle, said motor providing a reciprocating movement to said needle arm having the needle mounted thereon, a thread catcher provided below of said platform and actuated by said motor through a set of gears, an opening provided in said platform for the traverse of the needle therethrough and such that when the needle travels below of said platform and by the actuation of said set of gears the thread catcher travels away from the needle whereas when the needle travels in the reverse direction the thread catcher travels towards the needle and such as to pick up the thread from the needle

CLASS 128A. 143381.

Int. Cl A61f 13/02

ALDFHYDE POLYSACCHARIDE DRESSINGS FOR ABSORBING BODY FLUIDS

Applicant: PERSONAL PRODUCTS COMPANY, AT MILLTOWN, NEW JERSEY, UNITED STATES OF AMERICA

Inventors: FRED HAROLD STEIGER & JUDITH ANN SIRAGUSA

Application No 2828/Cal/74 filed December 21, 1974

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A dressing for absorbing body fluids comprising an absorbent pad, said pad comprising fibres of aldehyde polysaccharide as herein described having amine deodorizing properties.

CLASS 84A & 88F 143382

Int Cl. B01d 47/00; C10j 5/00

PROCESS FOR THE PRODUCTION OF PURIFIED HYDROGEN AND CARBON MONOXIDE CONTAINING GAS

Applicant: METALLGESELLSCHAFT AG OF 16, FRANKFURT A M REUTERWEG 14, WEST GERMANY

Inventors: DIPL. ING. HERBERT BIERBACH, (2) DR ING. CARL HAFKE & DR ING. GERHARD BARON

Application No 782/Cal/75 filed April 18, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

In the process of the production of purified hydrogen and carbon monoxide-containing gas comprising the steps of treating a solid fuel at a pressure of 4 to 150 bars with a gasifying agent containing water vapor and oxygen to produce a raw gas containing dust and hydrocarbons and which is at a temperature of 400 to 700°C, wherein the improvement comprises spraying into the raw gas in a first scrubbing stage, under a pressure of 4 to 150 bars highly dispersed scrubbing water at a temperature of 160 to 300°C thereby saturating the gas with water vapor the said scrubbing water containing less than 200 milligrams of solids per liter, 0.5 to 6 liters of scrubbing water being sprayed in per standard cubic meter of gas whereby the gas is cooled to a temperature of 0 to 20°C above the scrubbing water temperature said first scrubbing stage being a cyclone scrubbing zone to which the raw gas is admitted tangentially to the inside surface of said zone, passing the gas into a second scrubbing stage at a pressure of 4 to 150 bars, spraying into said second stage in a radial direction salt-free water with a temperature of 160 to 300°C containing less than 200 milligrams

of solids in an amount of 0.1 to 0.3 liter per standard cubic meter of dry gas, removing from the second stage purified gas saturated with water vapor and containing not in excess of 10 milligrams of solids per standard cubic meter, desulfurizing the gas after at least one of the first and second scrubbing stages

CLASS 31C & 39E.

143383.

Int C1-B01j 17/36, H01c 13/00, 17/00

SEMICONDUCTOR DEVICE AND METHOD OF MAKING SAME.

Applicant: RCA CORPORATION, OF 30 ROCKEFELLER PLAZA, NEW YORK, NEW YORK, 10020, UNITED STATES OF AMERICA.

Inventors: MAREK ANTONI SZPAK AND ROBERT AMANTEA

Application No. 894/Cal/75 filed May 3, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims No drawings.

A semiconductor device comprising a silicon containing substrate and a layer upon said substrate, said layer consisting of an oxidized product of a composition comprising silicon and a refractory metal which reacts with said silicon to form a silicide

CLASS 32B

143384

Int Cl. C07c 3/42.

PROCESS FOR THE PRODUCTION OF SIX TO EIGHT CARBON-ATOM AROMATIC COMPOUNDS

Applicant: MOBIL OIL CORPORATION, OF 150 EAST 42ND STREET, NEW YORK, 10017, UNITED STATES OF AMERICA.

Inventors: JAMES ALOYSIOUS BRENNAN AND ROGER ALLEN MORRISON.

Application No 1607/Cal/75 filed August 18, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

17 Claims

A process for producing aromatic compounds of six to eight carbon atoms from an aromatic hydrocarbon charge predominantly higher in molecular weight than eight carbon atom aromatics, without substantial formation of heavier (350°F+) aromatics through conventional disproportionation or transalkylation reactions, which process comprises contacting said charge with a catalyst characterized by an effective amount of type ZSM-5 zeolite, zeolite ZSM-12 or zeolite ZSM-21 at about 550 to about 1000°F, about 100 to about 2000 pounds per square inch, admixed with 0.5 to 10 mols of hydrogen per mol of hydrocarbon and at a weight hourly space velocity between about 0.1 and about 200 unit weights of hydrocarbon per unit weight of said zeolite in the catalyst per hour and recovering in a known manner such as herein described at least one aromatic compound or eight or less carbon atoms from the product of contacting said charge with said catalyst

CLASS 32B

143385.

Int Cl. C07c 3/42

AN IMPROVED METHOD FOR PRODUCING AROMATIC HYDROCARBONS HAVING EIGHT CARBON ATOMS.

Applicant: MOBIL OIL CORPORATION OF 150 EAST 42ND STREET, NEW YORK, NEW YORK, 10017, UNITED STATES OF AMERICA

Inventors: RONALD PARFL BILLINGS AND JOHN CARL BONACCI

Application No 1608/Cal/75 filed August 18, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

5 Claims.

An improved method for producing eight carbon atom aromatic hydrocarbons from a hydrocarbon charge rich in such aromatic hydrocarbons and lean in aliphatic hydrocarbons boiling above about 220°F which comprises distilling said charge to remove at least a portion of its benzene content and leave an alkyl aromatic fraction containing the major portion of C₈ aromatics in said charge and contacting said alkyl aromatic fraction in the presence of hydrogen with a crystalline alumino-silicate zeolite characterized by a silica/alumina ratio of at least 30 in combination with a hydrogenation/dehydrogenation component such as herein described at a temperature of about 500 to 1000°F, a pressure of about 100 to about 600 pounds, a hydrogen to hydrocarbon mol ratio of 1 to 6 and weight hourly space velocity of 0.5 to 1.5

CLASS 32F₁a

143386

Int Cl-C07c 41/10

PRODUCTION OF ETHERS.

Applicant: TEXACO DEVELOPMENT CORPORATION, OF 135 EAST 42ND STREET, NEW YORK, NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors: EDWARD LAWRENCE COLE, SHELDON HERBSTMAN AND JOHN THOMAS NOLAN JR AND REI YEA TERRACE

Application No 2144/Cal/75 filed November 10, 1975

Appropriate office for opposition Proceedings (Rule 4 Patents Rules 1972) Patent Office, Calcutta

20 Claims

A method for preparing an ether which comprises:
 (a) reacting (i) a water-soluble alcohol as first reactant, (ii) an olefin or water-insoluble alcohol as second reactant, and (iii) an inert hydrocarbon solvent having 3 to 4 carbon atoms, in the presence of a solid resin etherification catalyst known per se thereby forming a reaction mixture including unreacted first reactant and product ether containing moieties from the first reactant and second reactant;
 (b) contacting the reaction mixture with an aqueous extractant in the presence of the inert hydrocarbon, thereby forming (i) an aqueous extract containing the first reactant, and (ii) a raffinate containing the inert hydrocarbon and product ether; and
 (c) recovering the raffinate

CLASS 103 & 144E,

143387

Int Cl-C09d 5/08, C23f 15/00

A PROCESS FOR PROTECTION AND ALUMINIUM AND ALUMINIUM ALLOY SHEETS AGAINST CORROSION DURING STORAGE AND DAMAGE BY SCRATCHES DURING MANUFACTURING PROCESSES BY COATING WITH AN ANTICORROSIVE, SCRATCH-RESISTANT AND STRIPPABLE SURFACE COATING

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFTI MARG, NEW DELHI-1, INDIA

Inventor: BAIKUNTHA NATH GANGULI AND KM RAMA SHASHI NIGAM

Application No 2183/Cal/75 filed November 15 1975

Appropriate office for opposition Proceedings (Rule 4 Patents Rules 1972) Patent Office, Calcutta

2 Claims No drawings

A process for the protection of aluminium and aluminium alloy sheets against corrosion during storage and damage by scratches during manufacturing processes by coating with an anti-corrosive, scratch-resistant and strippable surface coating, which consists in preparing a surface coating by dissolving polystyrene granules 100 parts by wt in solvent naphtha 500 parts with constant stirring and then adding dioctyl phthalate 30 parts and 1.5-3 parts by wt of an oil soluble dye while still stirring allowing to settle for 24 hours before decanting the clear solution of the surface coating, and the applying the surface coating to the surface of aluminium and aluminium alloy sheets by brushing or spraying

2-327GII/77

CLASS 140A.

143388.

Int Cl C09k 3/10; C10m

A COMPOSITION FOR CAUSING SWELLING OF SEALS

Applicant: THE IUBRIZOL CORPORATION, P.O. BOX 17100, EUCLID STATION, CLEVELAND, OHIO, 44117, U.S.A.

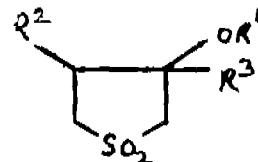
Inventor: FREDERICK WILLIAM KOCH

Application No 1000/Cal/76 filed June 9, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta

15 Claims

A composition for causing swelling of seals comprising an oleaginous liquid of lubricating viscosity such as herein described and a substituted sulfolane of the formula 1



wherein R¹ is a hydrocarbon-based radical having at least about 4 carbon atoms and each of R² and R³ is hydrogen or a lower alkyl-based radical

OPPOSITION PROCEEDINGS

(1)

An opposition has been entered by (i) Abid Kagalwala, (ii) Riaz Kagalwala, (iii) Rasyik Kagalwala and (iv) Rehber Abid Kagalwala, to the grant of a patent on application No 141946, made by Edgar Handley Co Private Limited

(2)

An opposition has been entered by Radio Foundation Engineering Limited and Hazurat and Company to the grant of a patent on application No 141887 made by Dr Mrs Sujata Ghosh Dustidar

CORRECTION OF CLERICAL ERRORS
UNDER SECTION-78(3)

The title in the application and specification for Patent No. 140807 (earlier numbered as 2027/Cal/73) the acceptance of the Complete Specification of which was notified in the Part III, Section 2 of the Gazette of India dated the 25th December, 1976 has been corrected to read "Method of manufacturing power-assisted steering gear and steering gear so manufactured" under sub section (3) of the Section 78 of the Patents Act, 1970

(2)

The title of the application and specification of the application for patent No 140844 (earlier numbered as 1889/Cal/73) the acceptance of the complete specification of which was notified in the Part III Section 2 of the Gazette of India dated the 25th December, 1976 has been corrected to read "Method of moulding an annular inflatable rubber tube and an annular inflatable rubber tube so prepared" under sub-section (3) of the Section 78 of the Patents Act 1970

(3)

The title of the invention in the application of application for patent No 140851 (earlier numbered as 1937/Cal/73) the acceptance of the complete specification of which was notified in the Part III, Section 2 of the Gazette of India dated the 1st January 1977 has been corrected to read "Method and apparatus for processing vegetable fibrous materials to remove associated foreign materials therefrom", under sub section (3) of Section 78 of the Patents Act, 1970

(4)

The title in the application and specification of application for Patent No 140924 (earlier numbered as 2629/Cal/73)

the acceptance of the complete specification of which was notified in the Part III, Section 2 of the Gazette of India dated 1st January 1977 has been corrected to read as "Improvements in fluid pressure relief valves" under sub-section (3) of Section 78 of the Patents Act, 1970

(5)

The title in the application and specification of application for Patent No 141010 (earlier numbered as 2109/Cal/73) the acceptance of the complete specification of which was notified in the Part III, Section 2 of the Gazette of India dated the 8th January, 1977, has been corrected to read "Process for preparing aromatic carboxylic acids", under sub-section (3) of Section 78 of the Patents Act, 1970

(6)

The title in the application and specification of application for Patent No 141634 (earlier numbered as 159/Mas/75) the acceptance of the complete specification of which was notified in the Part III Section 2 of the Gazette of India, the 2nd April 1977 has been corrected to read "A carpet, mat or like floor covering and a carpet mat or like floor covering so manufactured" under sub-section (3) of Section 78 of the Patents Act, 1970

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy —

(1)

122051 122087 122244 122338 122426 122427 122545 123503
124024 125060 125061 125487

PATENTS SEALED

126905 140933 140974 141001 141002 141020 141021 141028
141032 141044 141059 141081 141105 141108 141129 141145

COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calendar year 1976 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purposes.

Sl. No.	Patent No	Date of Patent	Name & address of the patentee	Brief title of the invention
1	2	3	4	5
1.	102438	9-10-1965	Perstorp AB, S-28400 Perstorp, Sweden	Catalyst for oxidation of methanol to formaldehyde
2.	102452	20-4-1972	Rhone-Poulenc SA, 22, Avenue Montaigne, Paris	New antibiotic.
3.	102458	10-11-1965	The Anil Starch Products Ltd., P.B. No. 1072 Anil Road, Ahmedabad-2, India.	Sweetening agent.
4.	102459	10-11-1965	Do	Proteinaceous sauce.
5.	102460	10-11-1965	Do.	Gluco amylase
6.	102461	10-11-1965	Do	Do
7.	102462	10-11-1965	Do.	Bacterial amylase & protease
8.	102523	10-11-1965	Do.	Concentration of fungal saccharifying enzyme solutions
9.	102546	17-11-1964	Laporte Chemicals Ltd, Kingway Luton, Bedfordshire, England	Hydrogen peroxide.
10.	102724	20-4-1972	ICI Australia Ltd., 1 Nicholson Str., Melbourne, Victoria, Australia	Bicyclo (2, 2, 2) oct-5-ene-2, 3-dicarboxylic anhydride
11.	102909	20-4-1972	Deutsche Gold und Silber Scheideanstalt Vormals Roessler, 6 Frankfurt/Main, Federal Republic of Germany.	Basic substituted alkyl xanthine derivatives

1	2	3	4	5
12.	103168	20-4-1972	Imperial Chemical Industries Ltd, ICI House, Millbank, London S.W.-1	Purification of impure a haloethan.
13.	103301	6-1-1965	Commonwealth Scientific & Industrial Research Organisation, 100 Collins Str, Melbourne, Victoria, Commonwealth of Australia	Treatment of heavy mineral concentrate for the purpose of removing surface staining
14.	103305	20-4-1972	Eli Lilly & Co., 740 South Alabama Street, Indianapolis, Indiana, U.S.A.	New cephalosporin compounds having antibiotic activity.
15.	103306	20-4-1972	Do.	Cephalosporin C A. antibiotics.
16.	103766	4-2-1966	The Anil Starch Products Ltd, P B No 1072, Anil Road, Ahmedabad-2, India	Dextrose from starch by enzyme process.
17.	103779	5-2-1966	Chiyoda-Kako Kensetsu Kabushiki Kaisha, No 12, 3-chome, Tamachi, Akasaka, Minato-ku, Tokyo, Japan.	Methylallyl chloride.
18.	103794	20-4-1972	Ciba-Geigy, Aarley Road, Goregaon East, Bombay-66.	4-piperazino alkanoyl-1-bicyclic heterocyclic pyrazoles.
19.	103975	20-4-1972	Eli Lilly & Co., 740 South Alabama Street, Indianapolis, Indiana, U.S.A	Antibiotic
20.	104230	20-4-1972	Bristol-Myers Co, Thompson Road, East Syracuse, New York.	Antibacterial composition
21.	104300	20-4-1972	Banyu Pharmaceutical Co Ltd, 7, 2-chome, Nihonbashi, Honcho, Chuo ku, Tokyo.	Pyridinedimethanol bis-carbamate derivatives
22.	104368	20-4-1972	Park Davis & Co, Joseph Campau Avenue, St. the River, Detroit, Michigan, U.S.A.	2-(ethylamino)-2-(2-trinyl) cyclohexanone & acid addition salts thereof
23.	104518	24-3-1966	Chiyoda-Kako Kensetsu Kabushiki Kaisha, No. 12, 3-chome, Tamachi, Akasaka, Minato-ku, Tokyo.	Epoxy resin condensates.
24.	104950	20-4-1972	Park Davis & Co., Joseph Campau Avenue, at the River, Detroit, Michigan, U.S.A.	New 2-phenoxy-2-phenylacetamides.
25.	105078	20-4-1972	F. Hoffmann-La Roche & Co. AG, 124-184 Grenzacherstrasse, Basle.	Nitroimidazoles
26.	105334	20-4-1972	Pfizer & Co., Inc., 235 East 42nd Street, New York-17.	2-[2(substituted)-vinyl] cyclic amidines and salts thereof.
27.	105462	20-4-1972	Hoechst AG., 6230 Frankfurt/Main, Federal Republic of Germany.	N-furfuryl-5-sulfamyl anthranilic acid.
28.	105484	20-4-1972	Salvatoro Louis Santorelli 160-14 Tenth Avenue, Beechhurst, New York.	Preparation of therapeutic compositions.
29.	105661	20-4-1972	Deutsche Gold-Und Silber-Scheideanstalt Vor- mals Roessler, 9 Weissfrauenstrasse, Frankfurt (Main) Federal Republic of Germany.	Production of basic terpene ether derivatives.
30.	105795	18-6-1966	The Carborundum Co, 1625 Buffalo Avenue, Niagara Falls, New York.	Abrasive coated products
31.	105796	20-4-1972	Hoechst AG., 6230 Frankfurt/Main, Federal Republic of Germany.	Benzene sulfonyl ureas.
32.	105812	20-4-1972	Kyowa Hakko Kogyo Co. Ltd, 4 Ohtemachi-1- chome, Chiyoda-Ku, Tokyo.	Alpha-lysine by fermentation
33.	105872	20-4-1972	Pfizer Inc., 235 East 42nd Street, New Delhi-17.	Quinoxaline-di-N-oxides
34.	105910	20-4-1972	Bristol-Myers Co, Thompson Road, East Syracuse, New York.	Anti-inflammatory agents.
35.	105981	20-4-1972	Pfizer Inc., 235 East 42nd Street, New York-17.	Quinazoline compounds
36.	106222	20-4-1972	Chinoin Gyogyszer-es Vegyeszet Termeket Gyara RT, 1-5. To Utca, Budapest IV, Hungary.	New rhodamine derivative
37.	106223	20-4-1972	Parke Davis & Co., Joseph Campau Avenue, at the River, Detroit, Michigan, U.S.A.	New bisanilide compounds.
38.	106224	20-4-1972	Pfizer Inc, 235 East 42nd Street, New York-17	Cyclic thioimidates
39.	106331	20-4-1972	Hoechst A.G., 6230 Frankfurt/Main, Federal Republic of Germany.	Benzosulfamyl ureas.

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40.	106382	20-4-1972	The Norwich Pharmacal Co., Norwich, New York.	1-[5-(substituted) furfurylidene amino] hydantoins & imidazolidinones
41.	106434	20-4-1972	Parke Davis & Co, Joseph Campau Avenue, at the River, Detroit, Michigan, U.S.A.	Production of N-sulfan.
42.	106737	20-4-1972	Kyowa Hakko Kogyo Co. Ltd, 4 Ohtemachi-1-chome, Chiyoda-ku, Tokyo.	L-lysine by fermentation in the presence of hydrocarbons.
43.	106748	23-8-1966	Monsanto Co., 800 North Lindbergh Blvd., St. Louis, Missouri 63166, U.S.A.	Herbicidal compositions
44.	106850	20-4-1972	Centre National De La Recherche & another, 15 Quai Anatole France, Paris, France.	New derivative of phenylbutazone
45.	106955	20-4-1972	Z.H. Biseikutsu Kagaku Kenkyu Kai, 403 Kamiosaki Nakamaru, Shinagawa-ku, Tokyo, Japan.	Kasugamycin.
46.	107160	20-4-1972	Chemie Grunenthal GmbH, Stolberg in Rheinland, Zwefaller St., Federal Republic of Germany.	Esters of alpha-alkyl-thyronine derivatives.
47.	107259	16-2-1966	Polymer Corp. Ltd., Sarnia, Ontario, Canada	A thermoplastic sheet material and method of producing orthopaedic structure comprising acid sheet material.
48.	107283	20-4-1972	Herchel Smith, 500 Chestnut Lane, Wayne, Pennsylvania, U.S.A	Steroid thioketals
49.	107341	9-10-1966	S A Des Etablissements Roure-Bertrand Fils & Justin, Dupont, 27 Avenue Pierre Semard, Grasse, France	Novel diketones
50.	107483	12-10-1966	Laporte Titanium Ltd., Hanover Square, London, W.1.	Pigment
51.	107565	18-10-1966	Do.	Titanium dioxide
52.	107566	18-10-1966	Do.	Do.
53.	107567	18-10-1966	Do.	Do
54.	107568	19-10-1965	Do	Do
55.	107630	20-4-1972	American Cyanamid Co., Wayne, New Jersey, U.S.A.	dl-6-phenyl-2, 3, 5, 6-Tetrahydromidazo [2, 1-6] thiazole
56.	108029	20-4-1972	Pfizer Inc., 235 East 42nd Street, New York-17	New amidines.
57.	108134	20-4-1972	F Hoffmann-La Roche & Co. AG, 124-184 Grenzacherstrasse, Basle, Switzerland	Manufacture of novel pharmaceutical composition
58.	108139	20-4-1972	Pfizer Inc., 235 East 42nd Street, New York-17	Tetracycline recovery process
59.	108204	29-11-1966	The Anil Starch Products Ltd., P.B No 1072 Anil Road, Ahmedabad-2, India	Dry corn syrup
60.	108216	20-1-1972	Dr Karl Thomac GmbH, Biberach an der Riss, Federal Republic of Germany.	New amino halogenobenzyl amines.
61.	108219	20-4-1972	American Home Products Corp., 6853 Avenue, New York	Conversion of dl 13 Beta-ethyl-17-beta hydroxygon 4-en-3 one to a d-13 beta-ethylgon-4-ene-3, 17 dione
62.	108354	20-4-1972	Ciba-Geigy, Aarey Rd, Goregaon East, Bombay-62.	Oxazepine.
63.	108370	9-12-1966	Monsanto Co., 800 North Lindbergh Blvd., St Louis, Missouri 63166, U.S.A	Purification of olefinically unsaturated nitriles.
64.	108464	20-4-1972	The Wellcome Foundation Ltd., 183-193 Euston Road London, N.W. 1, England	Amidines.
65.	108684	2-1-1967	Monsanto Co., 800 North Lindbergh Blvd. St. Louis, Missouri 63166, U.S.A	Inhibition of the premature vulcanisation of rubber
66.	108717	20-4-1972	Ciba-Geigy, Aarey Rd, Goregaon East, Bombay-62.	New azabicycloaliphatic compounds
67.	108829	11-1-1967	Bunker Ramo Corp., Oak Brook North, Illinois, U.S.A.	Dry lubricant composition.
68.	108917	20-4-1972	Chinoin Gyogyszer-ES Vegyszeti Termeakek Gyana RT., 1-5, To utca, Budapest, IV, Hungary.	Preparation of nutriment containing 3, 6-pyridazinediol or organotropic salts thereof

1	2	3	4	5
69	108980	20-4-1972	American Home Products Corp., 685 Third Avenue, New York-17	13-alkylgona-1, 3, 5 (10) 6, 8-pentaenes & 13-alkylgona-1, 3, 5 (10) 8, 14-pentaenes
70	109021	25-1-1967	Mississippi Chemical Corp., Post Box 388, Yazoo alg, Mississippi 3914, U S A	Stabilised ammonium nitrate compositions.
71.	109068	20-4-1972	Knoll A. G., Ludwigshafen of Rhine, W Germany.	Basically substituted phenylaceto nitriles
72	109077	20-4-1972	Pfizer Inc., 235 East 42nd Street, New York-17	Imidazoles.
73	109119	31-1-1967	Monsanto Co., 800 North Lindbergh Blvd, Missouri 63166, U S A	Alpha-chloroacetamides & phytotoxic compositions
74	109451	20-4-1972	Jean Boige, 53 Avenue Veneingetonix Aulnay-sous-Bois, Seine St. Denis, France	Industrial manufacture of hydroxo cobalamin
75	109500	20-4-1972	Smithkline Corp., 1500 Spring Gardens Street, Philadelphia, Pennsylvania, U S A	Substituted 10-aminoalkyl-9, 10-dihydroanthracenes.
76	109569	20-4-1972	Ciba Geigy of India Ltd, Aarey Road, Goregaon East, Bombay-66	Azacycloaliphatic compounds
77	109565	20-4-1972	Eli Lilly & Co., 740 South Alabama Street, Indiana polis, Indiana, U S A	7-alpha-amino benzyl-3-methyl cephalosporin analogues
78.	109642	20-4-1972	American Home Products Corp., 685 Third Avenue, New York-17	1, 3-dihydro-5-etyl-2H-1, 5-benzodiazepine-2-ones
79	109670	20-4-1972	R & L Molecular Research Ltd, 8045 Argill Road, Edmonton, Alberta, Canada	Penicillin derivatives
80.	109920	20-4-1972	F. Hoffmann-La Roche & Co. A G, 124-184 Grenzacher-strasse, Basle, Switzerland	Novel imidazole
81	110113	20-4-1972	American Home Products Corp., 685 Third Avenue, New York-17	Steroid gonenes
82.	110353	20-4-1972	Koninklijke Nederlandse Gist en Spiritus-fabriek N V I, Wateringseweg, Delft, Netherlands	11 Beta-hydroxysteroids
83.	110354	20-4-1972	Do	17-alpha-acyloxy-21-hydroxy compounds of the pregnane series
84	110430	29-4-1966	Commonwealth Scientific & Industrial Research Organisation, 314 Albert Street East Melbourne, Victoria, Commonwealth of Australia	Anosavite from titaniferous minerals
85	110433	20-4-1972	F Hoffmann-La Roche & Co A.G, 124-184 Grenzacherstrasse, Basle, Switzerland	Sulfonamide potentiator composition.
86.	110639	20-4-1972	Do	1, 2-dihydrobenzodiazepines.
87	110754	20-4-1972	Rikagaku Kenkyushi, 38-8, Honkomagome-2-chome, Bonkyo-ku, Tokyo	Novel antibiotics polyoxins D, E, F, G & H.
88.	110859	20-4-1972	American Cyanamid, Wayne, New Jersey	Alpha-2-amino-1-butanal or the acid alpha-tartarate thereof
89	110881	20-4-1972	Deutsche Gold & Silber Scheideanstalt Vormals Roessler, Frankfurt/Main, Weinfranzenstrasse 9, Postfach 3993, Federal Republic of Germany.	New substituted amino pyridines
90	110954	20-4-1972	Ciba-Geigy of India Ltd., Aarey Road, Goregaon East, Bombay-66	Manufacture of azabicycloaliphatic compounds.
91.	111413	20-4-1972	Pfizer Inc., 235 East 42nd Street, New York-17	Tetracyclines.
92	111498	20-4-1972	Do.	5-nitro imidazoles.
93.	111606	20-4-1972	F. Hoffmann-La Roche & Co. AG, 124-184, Grenzacherstrasse, Basle, Switzerland.	1, 2, 3, 4-tetrahydro isoquinoline 2-carboxamidines.
94.	111664	20-4-1972	Kilco Chemicals Ltd, 374 Shankill Road, Belfast 13, Northern Ireland.	Iodophor dairy sanitants.
95.	111702	20-4-1972	Spezialchemie GmbH & Co, Zachokkestr 36, Munchen 12, Federal Republic of Germany.	6-styryl-5, 6-dihydro-alphapyrone derivatives
96.	111703	20-4-1972	Do	Beta-methoxy or Beta-ethoxyerolonic acid esters.

1	2	3	4	5
97.	111779	1-8-1967 L. Givaudan & Cie, Societe Anonyme Vernier Geneva, Switzerland.	Preserving agent	
98.	111799	20-4-1972 American Home Products Corp., 685 Third Avenue, New York 17.	1 alkycyclopentane-1, 3-diones.	
99.	111801	20-4-1972 Boehringer Ingelheim GmbH, Ingelheim am Rhein, Federal Republic of Germany	Novel sydnonimines derivatives.	
100.	111820	20-4-1972 Ceskoslovenska Akademie Ved, No 3, Nardni, Praha-1, Czechoslovakia.	Antidiuretically active polypeptide.	
101	111939	20-4-1972 Dauchi Seiyaku Co. Ltd, No 1, 3-chome, Edo-bashi, Nihonbashi chuo-ku Tokyo, Japan	1-(4'methyl-6'-methoxy-2'-pyrimidinyl)-3-methyl-5-methoxy pyrazole	
102	111963	20-4-1972 American Home Products Corp., 685 Third Avenue, New York-17.	Steroid compounds	
103.	111967	20-4-1972 Do.	Virus containing composition in dosage form	
104	111973	20-4-1972 Pfizer Inc., 235 East 42nd Street, New York-17	6-epi-6-deoxy-5-oxytetracycline.	
105	112177	30-8-1977 Monsanto Co, 800 North Lindbergh, Blvd, St Louis, Missouri 63166, USA	Composition for increasing the sugar content of sugarcane	
106	112409	20-4-1972 American Home Products Corp., 685 Third Avenue, New York-17	Nitroalkaroates	
107	112504	20-4-1972 Hoechst AG, 6230 Frankfurt Main, Federal Republic of Germany	Acylaminoalkyl benzene sulfonyl ureas	
108	112602	20-4-1972 Recherche et Industrie Therapeutiques 13, rue/ Du Tilleul, Genval, Belgium	Vaccine against rubella	
109.	112673	20-4-1972 Hoechst AG, 6230 Frankfurt/Main, Federal Republic of Germany	Benzene sulfonyl ureas	
110	112868	20-4-1972 Boehringer Ingelheim GmbH, Ingelheim am Rhein, Federal Republic of Germany	2-oxylamino-1, 3 diazocycloalkene (2)	
111	112997	20-4-1972 Pfizer Inc., 235 East 42nd Street, New York-17.	Carbomycin	
112	113031	20-4-1972 Research Corp., 405 Lexington Avenue, County, New York, USA	Quinoxaline-di-n-oxide compounds.	
113	113082	20-4-1972 Bristol Myers Co., Thompson Ltd., East Syracuse, New York	3-methyl-7-[alpha-amino-2-thienyl] acetamido decephalosporanic acid and nontoxic salts thereof.	
114.	113212	20-4-1972 John Wyeth & Brother Ltd., Huntercombe Lane South, Taplow, Maidenhead, Berkshire, England	Oxazoles	
115	113276	20-4-1972 ICI Ltd., Imperial Chemical House, Millbank, London SW1	New morpholine derivatives	
116	113283	20-4-1972 American Home Products Corp. 68th 3rd Avenue, New York-17.	1-19-nor-steroids	
117.	113289	22-11-1967 L. Givaudan & Cie, Societe Anonyme Vernier Geneva, Switzerland.	Turpane derivatives	
118	113305	20-4-1972 Boots Pure Drug Co Ltd, Station Street, Nottingham, England.	Phenylalkanoic acid.	
119	113399	20-4-1972 Imperial Chemical Industries, Australia Ltd , 1 Nicholson St, Melbourne C2, Victoria, Australia	Thiazolidins	
120	113405	20-4-1972 Boots Pure Drug Co Ltd , Station Street, Nottingham, England.	Propionic acids.	
121.	113605	20-4-1972 Spezialchemie GmbH & Co, Manichi, Federal Republic of Germany	Kavain & substitution products of kavain.	
122	113812	20-4-1972 Bristol-Myers & Co, Thompson Road, East Syracuse New York	7-(pyridylmercaptoacetamido)-cephalosporanic acid compounds.	
123.	114024	11-1-1968 The Carborundum Co., 1625, Buffalo Avenue, Niagara Falls, USA	Polyesters based on hydroxy benzoic acids	
124	114083	20-4-1972 Pfizer Inc , 235 East 42nd Street, New York-17.	New synthesis of 2-(2-arylvinyl) 1, 4, 5, 6 tetrahydropyrimidines & 2-(2-aryl vinyl)-2-imidazolines	
125	114129	20-1-1968 Laporte Titanium Ltd., Hanover House, 14, Hanover Square, London W.1.	Titanium dioxide pigments	

1	2	3	4	5
126.	114202	20-4-1972	Rhone-Poulenc S.A., 22 Avenue Montaigne, Paris 8e, France	3-(benzoylphenyl) alkanic acids
127	114235	20-4-1972	Rohm & Haas Co., Independence Mall West, Philadelphia, Pennsylvania 19105, USA	Enrichment & for separation of an organic compound by absorption processes
128.	114255	20-4-1972	Pfizer Inc., 235 East 42nd Street, New York-17.	1, 4, 5, 6-tetrahydro-2-[2-(substituted) vinyl] pyrimidines 2-[2-(substituted) vinyl]-2-imidazolines
129.	114356	20-4-1972	Do	alpha-6-deoxytetracyclines
130	114602	20-4-1972	Do	N-phenyl indoline derivatives
131	114642	20-2-1968	Snam Progetti S.p.A., 16 Largo Venezia, Milan, Italy	Ethylene oxide
132.	114741	26-5-1966	Monsanto Co., 800 North Lindbergh Blvd, St Louis, Missouri 63166, USA	Novel sulfonamide compounds
133.	114815	20-4-1972	Spofa Spojene Podniky Pro Zdrovotnickou Výrobu, Praha, Czechoslovakia	Antimicrobially & antineurologically effective 2-amino alkanes & the addition salts thereof
134	114864	20-4-1972	Hoechst AG, 6230 Frankfurt/Main, Federal Republic of Germany	Basically substituted cyclopentylphenol ethers
135.	115032	18-3-1968	Laporte Titanium Ltd, Hanover House, 14, Hanover Square, London W1	Heating titanium tetrachloride vapour in the process of manufacturing titanium dioxide
136	115036	20-4-1972	Pfizer Inc., 235 East 42nd Street, New York	Refining of alpha-6-deoxy-5-oxytetracycline
137.	115123	20-4-1972	Eli-Lilly & Co., 740 South Alabama St, Indianapolis, Indiana, USA	Medicated adhesive tape.
138.	115246	20-4-1972	Pfizer Inc., 235 East 42nd Street, New York	5-nitromidazoles
139	115300	5-4-1968	Monsanto Co., 800 North Lindbergh Blvd, St Louis 66, Missouri, USA	Carboxylic acids & esters.
140	115693	20-4-1972	Eli Lilly & Co., 740 South Alabama St, Indianapolis, Indiana, USA	Converting a penicillin sulfoxide ester to a cephalosporin antibiotic
141.	115694	20-4-1972	Do	Do
142	115785	20-4-1972	John Wyeth & Brother Ltd, Huntercombe Lane South, Taplow, Maidenhead, Berkshire, England.	Novel oxazoles
143.	115800	7-5-1968	Snam Progetti S.p.A., 16 Cross Venezia, Milan, Italy	Urea
144.	115812	20-4-1972	American Home Products, Corp., 685 Third Avenue, New York-17	Sodium salt of ampicillin.
145.	115872	20-4-1972	Boehringer Ingelheim GmbH, Ingelheim am Rhein, Federal Republic of Germany	New 1-phenoxy-2-hydroxy-3-alkylaminopropanes
146.	115916	14-5-1968	Sumitomo Metal Industries Ltd., No. 15, 5-chome, Kitahama, Hizashi-ku, Osaka-shi, Japan.	Iron making process
147.	115955	20-4-1972	Chinoin Gyogyszer Es Vegyeszeti Termeket Gyara RT, 1-5, To utca, Budapest IV, Hungary.	New amidoximes.
148.	115976	20-4-1972	May & Baker Ltd., Dagenham, County of Essex, England	Preparation of water soluble non-toxic salts of 3 iodo-4-hydroxy-5-nitrobenzonitrile
149	115985	20-4-1972	American Home Products Corp., 685 Third Avenue, New York-17	Anhydrous crystalline form of D-6-(2-amino-2-phenylacetamido) penicillanic acid
150	116028	20-4-1972	USV Pharmaceutical Corp., 800 Second Avenue, New York, City, USA	Thionocarbamate
151.	116154	20-4-1972	Pfizer Corp., Calle 154, Avenida Santa Isabel, Colon, Republic of Panama.	2-aminoalkyl-tetrahydroquinoline
152.	116251	20-4-1972	Boehringer Ingelheim GmbH, Ingelheim am Rhein, Federal Republic of Germany	1-phenoxy-2 hydroxy-3-tertiary butyl aminopropanes
153	116285	20-4-1972	F Hoffmann-La Roche & Co AG, 124-184 Grenzacherstrasse, Basle, Switzerland	Stabilisation of ascorbic acid

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154	116395	28-6-1968	Aktieselskabel Svolvsyre OG Superphosphat fabrik, 15 Ama liegade, Copenhagen, Denmark	Urea
155	116637	20-4-1972	Hoechst AG, 6230 Frankfurt/Main, Federal Republic of Germany	Preparing new 3-aminoacyl-amino thiophene & salts thereof
156	116687	20-4-1972	Eli Lilly & Co, 740 South Alabama St, Indianapolis, Indiana, USA	7-aminodesacetoxy cephalosporanate esters
157.	116832	20-4-1972	Koninklijke Nederlandse Gist en Spiritus-fabriek NV, 1, Wateringsweg, Delft Netherlands.	7-amino cephalosporanic acid and its derivatives
158.	116919	20-4-1972	Hoechst AG, 6230 Frankfurt/Main, Federal Republic of Germany	Sulfamyl anthranilic acids
159	116968	27-7-1968	Snam Progetti S p A., 16 Corso Venezia, Milan, Italy	Urea having low carbamate content
160	116989	20-4-1972	Bayer AG, Leverkusen, Federal Republic of Germany	2-amino-3-amidino-quinoxaline-di-N-oxides
161	116995	20-4-1972	Chinoin Gyogyteres Vegyeszeti Termek Gyara RT, 1-5, To Utca, Budapest IV, Hungary	New dithiocarbamic acid derivatives
162.	117052	20-4-1972	Societe D'etudes de Produits Chimiques, 16 Rue Kleber, 92 Issy-les-Moulineaux, France	Novel esters derived from 5-nitro quinaldine.
163	117053	20-4-1972	Do	Novel furoic esters derived from 5-nitro quinoline
164	117108	5-8-1968	Snam Progetti S p A., 16 Corso Venezia, Milano, Italy	Ethylene oxide.
165.	117186	20-4-1972	Meiji Seika Kaisha Ltd, No. 8, 2-chome, Kyo-bashi, Chou-ku, Tokyo	Antibiotic substance 2'-amino-2'-deoxy kanamycin in higher yield.
166	117193	9-8-1968	Snam Progetti S.p.A., 16 Corso Venezia, Milano, Italy.	Vulcanisable amorphous olefinic terpolymer
167.	117214	20-4-1972	ICI Australia Ltd, 1 Nicholson Str, Melbourne, Australia	Resolution of DL-tetranazole
168.	117339	20-4-1972	Parke Davis & Co, Joseph Campau Avenue at the River, Detroit, Michigan, USA	2-4-diamino-6-(substituted acylmino) vunazoline compounds
169.	117369	20-4-1972	Bayer AG, Leverkusen, West Germany	Production of N-trityl-imidazoles or salts thereof
170	117429	20-4-1972	American Cyanamid & Co, Wayne, New Jersey, USA	Novel substituted guanadines
171	117448	20-4-1972	VeB Arzneimittelwerk Dresden, Radebeul 1, Postfach 89/90, German Democratic Republic	Imidazoline-2-derivatives
172	117449	20-4-1972	Do.	2-(halogenophenyl-amino) imidazoline-2-derivatives
173.	117497	20-4-1972	Do	Do
174	117534	20-4-1972	Bristol-Myers Co, 630 Fifth Avenue, New York,	Penicillin compounds
175	117699	20-4-1972	Bayer AG, Leverkusen, West Germany	2-halomethyl-3-carboxylic-acid amido quinoxaline-1, 4-di N-oxides

PATENTS DEEMED TO BE ENDORSED WITH
THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents

No	Title of the Invention
78502 (20-4-72)	Process for preparing steroid substances
80985 (20-4-72)	Process for the preparation of novel derivatives of piperidine
81995 (20-4-72)	Process for the preparation of thiamine derivatives.

87541 (20-4-72) Process for the manufacture of cobalt organic compounds

91668 (20-4-72) Process for preparing a new polymorphic form of lincomycin hydrochloride

94924 (20-4-72) Process for preparing cyclic chemical compounds

95178 (20-4-72) Process for the production of 3, 5-dichloro-2, 6-dimethyl-4-pyridinol

95356 (20-4-72) Process for the preparation of new 1-aryloxy-2-hydroxy-3-isopropylaminopropanes and salts thereof,

9/2/3 (20 4 72) Process and device for the preparation of a live stock forage	107544 107558 107562 107617 107619 107638 107658 107742
108310 (20 4 72) Process for the preparation of vitamin B ₁	107753 107810 107817 107960 108034 108070 108083 108112
122575 (20 4 /2) Process for the preparation of new 3 carboxylic acid amido-quinoxaline di-n oxides (1, 4)	108265 108420 108608 108651 110833 111020 111021 111186 111380 111677 111835 111840 111845 111946 111978 112214
125136 (20 4 72) Novel process for producing antibiotics bleomycin	112240 112382 112551 112586 112771 112819 112857 112858 112869 112894 112938 112982 113068 113084 113208 113286
127337 (20 4-72) A process for producing L lysine by fermentation	113413 113655 115623 116080 116567 116845 117095 117268 117319 117331 117555 117607 117608 117982 118025 118087
127544 (20 4 72) Process for the preparation of 8 Hydroxyquino-line derivatives	118088 118170 118201 118261 118262 118283 118351 118372 118390 118398 118399 118558 119540 121926 122577 122580
128793 (20 4 72) Process for the preparation of desphenylalanin B1 insulin	122693 122931 122932 123103 123129 123219 123630 123682 123686 123701 123707 123738 123744 123782 123799 123806
132123 (20 4 72) Process for the cyclization of 2 amino benzophenone derivatives	123827 123868 124107 124140 124141 127076 127628 127885 128046 128474 128753 128790 128805 128864 128887 128889
132159 (19 7 71) Process for the production of new product consisting substantially of alpha and beta-chlordane	128901 128938 128945 128946 128947 129329 129330 129349 130830 132071 132386 132387 132388 132389 132643 133173
132270 (20 4-72) Process for preparing optically active 1,4 benzo diazepin 2 one derivatives and salt thereof	133182 133236 133238 133248 133253 133281 133284 133298 133299 133326 133334 133356 133394 133411 133617 133660
132749 (19 9 71) Process for the preparation of N substituted tetrachlorophthalamic acid derivatives	133669 133670 133690 134092 134413 134868 134947 135319 135326 135351 135388 135604 135611 135624 135773 135774
132952 (17 9-71) A process for isolating protein from fish material	135792 135879 136190 136207 136368 136475 136563 136641 136971 137079 137097 137140 137144 137172 137275 137380
133077 (20 4 72) A process for the preparation of an α-6 deoxytetraacycline	137400 137401 137445 137588 137602 137764 137906 137919 137929 137954 138104 138108 138118 138131 138133 138152
133277 (19-10 71) A method of preparing of novel blue cheese	138183 138185 138270 138316 138324 138643 138719 138768 138769 138775 138796 138922 138946 139047 139116 139137
133327 (22 10 71) Process for the preparation of N phosphonomethylglycine	139228 139235 139256 139257 139260 139265 139284 139289 139290 139292 139343 139353 139376 139377 139500 139504
133421 (29 10-71) Preparation of N isopropylaniline	139508 139509 139588 139592 139736 139816 139872 139883 139886 139920 139943 139955 139959 139962 139996 140011
133456 (20 4 72) Process for manufacture of thiencylalkan-derivative	140072 140097 140133 140139 140186 140187 140237 140273 140290 140342 140344 140345 140366 140417 140421 140431
133658 (17 11-71) Process for the preparation of a melt able heat stable curd from soya bean milk	140521 140524 140526 140527 140528 140550 140581 140669 140677 140684 140694 140781 141097 141539
134032 (20 4-72) Process for the preparation of benzamide derivatives	
134582 (11 2 72) Manufacture of bipyridylum salts	
134668 (18 2 72) Process for the isomerization of glucose to fructose	
134735 (20-4 72) A process for recovering optically pure d and l-isomers of menthol neomenthol and isomenthol	
135410 (20 3-71) A method of producing an improved foodstuff	
135416 (20 5 72) Process for the manufacture of 1 alkylene 2 iminomethyl pyrrolidine	
135429 (26 5-72) Process for the preparation of nitroimino vinylidene hydrazides	
135434 (15-7 72) A process for preparing derivatives of saccharin	

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90695 90863 91027 91269 91373 92029 95413 95513 95561
95660 95684 95725 95871 95997 96004 96059 96196 96198
96273 96308 96337 96503 96535 96547 96548 96549 96550
96551 96655 96757 96889 96982 97100 98135 98697 100193
100194 100195 100196 100197 101094 101217 101760 101936
101975 102058 102171 102175 102204 102293 102300 102306
102368 102526 102540 102670 102671 102882 103084 103466
106282 106449 106765 106939 107474 107480 107513 107543

RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act 1970 for the restoration of Patent No 128935 granted to Larsen & Toubro Limited for an invention relating to "an electrical device for preventing damage to a 3 phase electric motor". The patent ceased on the 21st October 1976 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 29th October 1977.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214 Acharya Jagadish Bose Road, Calcutta 17 on or before the 12th January 1978 under Rule 69 of the Patents Rules 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act 1911.

The date shown in each entry is the date of registration of designs included in the entry.

Class I No 145180 Prakash Industries 171-A Ram Niwar Extension, Delhi-110051, Indian partnership concern "2 stage gas regulator" February 2, 1977

Class 1	No 145397 Mail Order Sales Private Limited, of 10th Floor, 15, Mathew Road, Bombay-400004, Maharashtra, India, an Indian Company "Ice cream machine" April 1, 1977	gue Street, Pune 411001, Maharashtra, India "Baby toilet seat". March 14, 1977
Class 1	No 145590 Faran Trading Company, an Indian Partnership Firm, at 21/B, Aljalal Building Compound, 335, Behind Bazar, Bombay-400003, Maharashtra, India "Tiffin box" May 17, 1977	Class 3 No 145463 Chem Pack Industries, an Indian Registered Partnership Firm, at 244, Naayan Peth, 'ADHIAR Laxmi Road, Pune 411030 Maharashtra India "A container", April 20, 1977
Class 3	Nos 145083, 145085 & 145089 Naseer Gulam husain Hemani, Indian National of Comiss India Cosmetics 405, Central Tin Works Bldg, Chinchpokli Cross Lane, Sussex Road, Byculla, Bombay 400027, Maharashtra, India "Bottle" January 10, 1977.	Class 3 No 145487. Ramendra Nath Ghose, Indian, 104, Beadon Street, Calcutta 700006 West Bengal, India "Cosmetic containers" April 28, 1977
Class 3	No 145093 De Lite Writing Instruments Co, 103, Regal Industrial Estate Acharya Donde Marg, Sewree (West), Bombay 400015, Maharashtra, an Indian Partnership Firm "Bottle with cap" January 11, 1977.	Class 3 No 145491 Kaycee Corporation, C/o K. G. Badhani, 1st Bhajipala Lane, Bombay 400003, Maharashtra State, an Indian Partnership Firm "Buckle" April 28, 1977.
Class 3	No 145130 Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700016, West Bengal, India "Flashlight" January 19, 1977	Class 4 Nos 145084, 145086, 145088 & 145090 Naseer Gulamhusain Hemani, Indian National, or Comiss India Cosmetics 405, Central Tin Works Bldg, Chinchpokli Cross Lane, Sussex Road, Byculla, Bombay 400027, Maharashtra, India "Bottle" January 10, 1977
Class 3	No 145199 Federal Electro System, 301/306, Auto Commerce House, Opp Jyoti Studio, Kennedy Bridge, Nana Chowk, Bombay 400007, Maharashtra, India, an Indian Partnership Firm "Ventilators for cars" February 7, 1977	Class 4 No 145402 Vibhu Pure Drunks Private Limited, Flat No 6, 1st Floor, Jeevan Vihar, 106, Manav Mandir Road, Bombay-400006, Maharashtra State, India, Indian Nationality. "Bottles" April 1, 1977
Class 3	No 145288 Isaac Martin, an Indian Citizen of 1st Floor, 5-A, Chottani Road Mahim, Bombay-400016, Maharashtra, India "Garment drying hanger" February 26, 1977	Class 11 No 145298 Fancy Corporation Limited, A company incorporated under the provisions of Companies Act, of Sri Vithaldas Chambers, 16, Bombay Samachar Marg, Bombay-400023, State of Maharashtra, India. "Socks" March 1, 1977.
Class 3	No 145347 Mrs Neeta Parsram Mansey, an Indian National, of H 18, Gita Society Synago	

S VEDARAMAN

Controller General of Patents, Designs and Trade Marks